## REMARKS

In the Office Action, the Examiner rejected claims 1-9 under 35 U.S.C. § 102(e) as being anticipated by *Ueda et al.*, U.S. Patent No. 6,289,102. To anticipate a claim, the reference must teach every element of the claim. M.P.E.P. § 2131.01 (8th ed. 2001, revised February 2003). By this Amendment, Applicants have amended claims 1, 3, 5, 7, and 9 to point out aspects of the present invention. Because *Ueda et al.* does not disclose each and every element recited in the amended claims, Applicants request the reconsideration and withdrawal of the rejections of claims 1-9 under 35 U.S.C. § 102(e).

For example, amended claim 1 recites a method for use between a recording apparatus and a recording medium including the step of generating a random number in the recording apparatus and transferring the random number to the recording medium. *Ueda et al.* does not disclose such a method. Instead, the reference teaches an authentication process in which an AV decoder generates a random number based on a time variable and an optical disk drive receives the random number generated by the AV decoder. (*Ueda et al.*, col. 37, ll. 18-23.). Thus, the reference does not teach generating a random number in a recording apparatus or transferring the random number to a recording medium, as recited by amended claim 1.

Further, amended claim 1 recites the step of generating a first function in the recording apparatus using the generated random number. *Ueda et al.* also does not teach this step. The reference instead teaches an optical disk drive that calculates a function based on a previously received random value. (*Ueda et al.*, col. 37, ll. 33-35.) The random value of the reference must be received by the optical disk drive because it

is not generated by the optical disk drive. This is contrary to amended claim 1, which recites a recording apparatus that both generates a random number and generates a first function using the generated random number.

Still further, *Ueda et al.* fails to teach the step of generating a second function in a recording medium using the transferred random number, as recited in amended claim 1. First, nothing in the reference teaches any function generated in a recording medium. Instead, *Ueda et al.* discloses an optical disk drive that calculates a function (*Ueda et al.*, col. 37, ll. 33-37) or an AV decoder card that calculates a function (*Id.*, col. 37, ll. 45-51.) Second, the reference does not teach the step of generating a function in a recording medium using a transferred random number. As discussed above, the random number of the reference is generated by an AV decoder card and transferred to an optical disk drive, not to a recording medium as recited in amended claim 1.

Because *Ueda et al.* fails to disclose several of the elements of amended claim 1, Applicants request the reconsideration and withdrawal of the section 102 rejections of claim 1 and its dependent claim 2.

Amended claim 3 recites a method for use between a reproducing apparatus and a recording medium including the step of generating a random number in the reproducing apparatus and transferring the random number to the recording medium. As discussed above with respect to claim 1, *Ueda et al.* does not disclose such a method. Amended claim 3 also recites the steps of generating a first function in the reproducing apparatus using the generated random number and generating a second function in a recording medium using the transferred random number. For at least the

reasons given above with respect to claim 1, *Ueda et al.* fails to teach either of these steps. Because the reference fails to teach every element of amended claim 3, Applicants request the reconsideration and withdrawal of the section 102 rejections of claim 3 and its dependent claim 4.

Amended claim 5 recites a recording apparatus including means for generating a random number and transferring the random number to a recording medium. *Ueda et al.* does not disclose such a structure. Instead, the reference teaches an AV decoder that generates a random number and an optical disk drive that receives the random number generated by the AV decoder. (*Ueda et al.*, col. 37, ll. 18-23.). Furthermore, the recording apparatus of amended claim 5 includes means for generating a first function using the generated random number. *Ueda et al.* also does not teach this structure. The reference instead teaches an optical disk drive that calculates a function based on a received random value that was generated by an AV decoder. (*Ueda et al.*, col. 37, ll. 33-35.) Still further, *Ueda et al.* fails to teach means for generating a second function in a recording medium using a transferred random number, as recited in amended claim 5. As discussed above, nothing in the reference teaches any function generated by a recording medium. Instead, *Ueda et al.* discloses an optical disk drive that calculates a function (*Ueda et al.*, col. 37, ll. 33-37) or an AV decoder card that calculates a function (*Id.*, col. 37, ll. 45-51.)

Because *Ueda et al.* fails to disclose several of the elements of amended claim 5, Applicants request the reconsideration and withdrawal of the section 102 rejections of claim 5 and its dependent claim 6.

Amended claim 7 recites a reproducing apparatus including means for generating a random number and transferring the random number to the recording medium. Furthermore, the reproducing apparatus of claim 7 includes means for generating a first function in the reproducing apparatus using the generated random number. As discussed above with respect to claim 5, *Ueda et al.* does not disclose such a structure. Because the reference fails to teach every element of amended claim 7, Applicants request the reconsideration and withdrawal of the section 102 rejections of claim 7 and its dependent claim 8.

Amended claim 9 recites a recording medium including means for generating a random number and transferring the random number to a one of a recording apparatus and a reproducing apparatus. *Ueda et al.* does not disclose such a structure. Instead, the reference teaches an AV decoder that generates a random number. (*Ueda et al.*, col. 37, ll. 18-23.). Furthermore, the recording medium of amended claim 9 includes means for generating a first function using the generated random number. *Ueda et al.* also does not teach this step. The reference instead teaches an optical disk drive that calculates a function based on a received random value that was generated by an AV decoder. (*Ueda et al.*, col. 37, ll. 33-35.)

Because *Ueda et al.* does not teach every element of amended claim 9, Applicants request the reconsideration and withdrawal of the section 102 rejection of claim 9.

In view of the foregoing amendments and remarks, Applicants respectfully request reconsideration and reexamination of this application and the timely allowance of the pending claims.

Please grant any extensions of time required to enter this response and charge any additional required fees to our deposit account 06-0916.

Respectfully submitted,

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